AMENDMENT

<u>In the claims:</u>

1. (currently amended) A base transceiver station in a mobile communication system, comprising:

~~a GPS time frequency unit for outputting a synchronized time which is received from at least one GPS satellite and frequency information;~~

a BTS main processing unit for generating a control command to control one BTS;

~~an ATM interface unit for interfacing with an asynchronous mode communication device;~~

~~a packet routing unit for providing routing information used for setting path of packet data;~~

a multi-rate channel unit for processing an inter-channel communication, each channel having <u>one of a plurality of</u> ~~a~~ different data rate<u>s</u>;

a signal transformation unit for transforming and <u>modulating</u> ~~modulation/demodulation of~~ an input signal <u>received from said multi-rate channel unit,</u>; and

a wireless unit <u>connected to said signal transformation unit, said wireless unit</u> for wireless communication with a mobile station<u>, wherein said wireless unit includes radio frequency (RF) switches to dynamically select one of a plurality of bandpass filters to provide selective bandwidth operation.</u>

2. (original) The base transceiver station as recited in claim 1, wherein the wireless unit includes three transmitting frequency units and three receiving frequency units.

3. (original) The base transceiver station as recited in claim 1, wherein the signal transformation unit includes an analog up converter, an analog down converter, a digital up converter and a digital down converter.

4. (original) The base transceiver station as recited in claim 1, wherein the multi-rate channel unit includes a transmitting integrated circuit for processing an input signal, a receiving integrated circuit for processing an output signal, a HDLC controller for controlling a HDLC communication and a controlling software block for performing a pre-reserved program and transmit it to each device.

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